

IN THE SPECIFICATION:

Please amend the specification as follows:

On page 14, line 26, after "DNA sequence", insert --(SEQ ID NO:52)--.

On page 14, line 30, after "DNA sequence", insert --(SEQ ID NO:53)--.

On page 14, line 34, after "DNA sequence", insert --(SEQ ID NO:54)--.

On page 15, line 1, after "DNA sequence", insert --(SEQ ID NO:55)--.

On page 15, line 5, after "DNA", insert --(SEQ ID NO:57)--.

On page 15, line 5, after "amino acid", insert --(SEQ ID NO:56)--.

On page 15, line 7, after "DNA", insert --(SEQ ID NO:58)--.

On page 15, line 7, after "amino acid", insert --(SEQ ID NO:59)--.

On page 15, line 9, after "DNA", insert --(SEQ ID NO:61)--.

On page 15, line 9, after "amino acid", insert --(SEQ ID NO:60)--.

On page 15, line 11, after "DNA", insert --(SEQ ID NO:62)--.

On page 15, line 11, after "amino acid", insert --(SEQ ID NO:63)--.

On page 15, line 13, after "DNA", insert --(SEQ ID NO:64)--.

On page 15, line 13, after "amino acid", insert --(SEQ ID NO:65)--.

On page 15, line 15, after "DNA", insert --(SEQ ID NO:66)--.

On page 15, line 15, after "amino acid", insert --(SEQ ID NO:67)--.

On page 40, Table 1, after "rchd005", under the heading "Seq. ID #",
insert --SEQ ID NO:52--.

On page 40, Table 1, after "rchd024", under the heading "Seq. ID #",
insert --SEQ ID NO:53--.

On page 40, Table 1, after "rchd032", under the heading "Seq. ID #",
insert --SEQ ID NO:54--.

On page 40, Table 1, after "rchd036", under the heading "Seq. ID #",
insert --SEQ ID NO:55--.

On page 40, Table 1, after "rchd502", under the heading "Seq. ID #",
insert --SEQ ID NOS:56 and 57--.

On page 40, Table 1, after "rchd523", under the heading "Seq. ID #",
insert --SEQ ID NOS:58 and 59--.

On page 40, Table 1, after "rchd528", under the heading "Seq. ID #",
insert --SEQ ID NOS:60 and 61--.

On page 40, Table 1, after the second occurrence of "rchd534", under the
heading "Seq. ID #", insert --SEQ ID NOS:62 and 63--.

On page 40, Table 1, after "rchd534 - long", under the heading "Seq. ID
#", insert --SEQ ID NOS:64 and 65--.

On page 40, Table 1, after "rchd540", under the heading "Seq. ID #",
insert --SEQ ID NOS:66 and 67--.

On page 128, line 11, after "catgcctgtagaaaaaggtt", insert --; SEQ ID
NO:1--.

On page 128, line 11, after "/rev-cttcatagaatctaaggccta", insert --; SEQ ID
NO:2--.

On page 128, line 12, after "cctgatagatggcactgtgt", insert --; SEQ ID
NO:3--.

On page 128, line 13, after "gaacacggcattgtactaact", insert --; SEQ ID
NO:4--.

On page 132, line 34, after "for-cccatagactaggctcatag", insert --(SEQ ID
NO:5)--.

On page 132, line 35, after "tttaaagagaaaattcaaatc", insert --(SEQ ID
NO:6)--.

On page 139, line 6, after "for-atgccgtgtgggtagtc", insert --; SEQ ID
NO:7--.

On page 139, line 7, after "rev-atttatgggaaggttttaca", insert --; SEQ ID
NO:8--.

On page 139, line 8, after "cttttctgcgtctccat", insert --; SEQ ID NO: 9--.
On page 139, line 8, after "rev-agacatcagaaactccaacc", insert --; SEQ ID
NO:10--.

On page 148, line 4, after "DEARKLEEAKSRGSL", insert --(SEQ ID
NO:11)--.

On page 148, line 5, after "SSIHPQSPACRRDCS", insert --(SEQ ID
NO:12)--.

On page 148, line 6, after "RVKKNKEYNVQKAA", insert --(SEQ ID
NO:13)--.

On page 148, line 8, after "RAHRHRGLRPRRQKAL", insert --(SEQ ID
NO:14)--.

On page 148, line 9, after "IDPSTEQSDVRFS", insert --(SEQ ID
NO:15)--.

On page 148, line 11, after "SPYAEYPKNPRSQEKGRE", insert --(SEQ
ID NO:16)--.

On page 148, line 12, after "NPSFISDESRRRDYF", insert --(SEQ ID
NO:17)--.

On page 148, line 15, after "EFSDASMSPDATKPSH", insert --(SEQ ID
NO:18)--.

On page 148, line 16, after "LEQRSESVRTRSK", insert --(SEQ ID NO:19)--.

On page 148, line 17, after "RSGLQHAPEPDAADGP", insert --(SEQ ID NO:20)--.

On page 162, line 29, after "Pair 1: A)", delete

"5'-GAGGCTGCGGCCGCTCCGAAGTCC-3'" and insert in its place

Q --5'-GAGGCTGCGGCCGCTCCGAAGTCC-3' (SEQ ID NO:21)--.

On page 162, line 30, after "5'-CTCCGCCGGGCCACTATCT-3'",
insert --(SEQ ID NO:22)--.

a2 On page 162, line 31, after "5'-CCGGGACGCAGTGGGACAG-3'", insert
--(SEQ ID NO:23)--.

On page 162, line 32, after "5'-CGGGGAGTTGACGAAGATGG-3'",
insert --(SEQ ID NO:24)--.

On page 165, line 12, after "5'-CATTTCATTCATACAA-3'", insert
--(SEQ ID NO:25)--.

On page 165, line 14, after "5'-CATTTCATTCATACAATATATG-3'",
insert --(SEQ ID NO:26)--.

On page 165, line 16, after "5'-
CATTTCATTCATACAATATATGGCCTTT-3'", insert --(SEQ ID NO:27)--.

On page 165, line 18, after "5'-
CATTTCATTCATACAATATATGGCCTTTGTGGC-3'", insert --(SEQ ID NO:28)--.

On page 165, line 20, after "5'-
GGACATTTCATTCATACAATATATGGCCTTTGT-3'", insert --(SEQ ID NO:29)--.

On page 165, line 22, after "5'-
TTCATTTCATACAATATATGGCCTTTGT-3'", insert --(SEQ ID NO:30)--.

On page 165, line 24, after "5'-TCATACAATATATGGCCTTTGT-3'",
insert --(SEQ ID NO:31)--.

On page 165, line 26, after "5'-AATATATGGCCTTTGT-3'", insert
--(SEQ ID NO:32)--.

On page 166, line 3, after "5'-CATACGATATCCTTGGCGCCAGGGG-
3'", insert --(SEQ ID NO:33)--.

On page 166, line 5, after "5'-
GGACCTGAACATACGATAGCCTTGGCGCCAGGGG-3'", insert --(SEQ ID
NO:34)--.

On page 166, line 7, after "5'-
CATACGATATCCTTGGCGCCAGGGGTGGGGGG-3'", insert --(SEQ ID NO:35)--.

On page 166, line 11, after "5'-CATGCAGGGCGAGGAGGG-3'", insert
--(SEQ ID NO:36)--.

On page 166, line 13, after "5'-CATGCAGGGCGAGGAGGGCGAGGA-3'",
insert --(SEQ ID NO:37)--.

On page 166, line 15, after "5'-
CATGCAGGGCGAGGAGGGCGAGGAGAAAAG-3'", insert --(SEQ ID NO:38)--.

On page 166, line 18, after "5'-
CATGCAGGGCGAGGAGGGCGAGGAGAAAAGTCGTT-3'", insert --(SEQ ID
NO:39)--.

On page 166, line 21, after "5'-
GAACATGCAGGGCGAGGAGGGCGAGGAGAAAAGTCG-3'", insert --(SEQ ID
NO:40)--.

On page 166, line 24, after "5'-
GCAGGGCGAGGAGGGCGAGGAGAAAAGTCG-3'", insert --(SEQ ID NO:41)--.

On page 167, line 1, after "5'-CGAGGAGGCGAGGAGAAAAGTCG-3'",
insert --(SEQ ID NO:42)--.

On page 167, line 3, after "5'-GGCGAGGAGAAAAGTCG-3'", insert
--(SEQ ID NO:43)--.

On page 167, line 8, after "5'-CAAAGCNGNXXXXNCNGANAGUC-
3'", insert --(SEQ ID NO:44)--.

On page 167, line 27, after "GCAAGGUGGGCACUCAGGUGGG-3'",
insert --(SEQ ID NO:45)--.

On page 167, line 31, after "UUUCAUUUCAUAC-3'", insert --(SEQ ID
NO:46)--.

On page 168, line 7, after
"GUCGAUGCCGAAGCCGAUCUUGCUGCGCG-3'", insert --(SEQ ID NO:47)--.

On page 168, line 15, after "GAGCGTTGGACCTG-3'", insert --(SEQ
ID NO:48)--.

On page 168, line 20, after "UUCUUUGUGAGUCGGCGCCG-3'",
insert --(SEQ ID NO:49)--.

On page 168, line 24, after
"NAGUCCGGGCGAGGAGGCGAGGAGAAAAGUCG-3'", insert --(SEQ ID
NO:50)--.

On page 168, line 28, after
"AGUCAGUCGGCUAAGGUGAUGGGGUUGCAGCACACC-3'", insert --(SEQ ID
NO:51)--.